

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/001155

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> G01F23/22, B41J2/175

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G01F23/22, B41J2/175Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004  
Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| A         | JP 10-305590 A (Matsushita Electric Industrial Co., Ltd.),<br>17 November, 1998 (17.11.98),<br>Full text; all drawings<br>(Family: none) | 1-15                  |

 Further documents are listed in the continuation of Box C. See patent family annex.

|   |  |
|---|--|
| * Special categories of cited documents:  |  |
| "A" document defining the general state of the art which is not considered to be of particular relevance  | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
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Date of the actual completion of the international search  
10 May, 2004 (10.05.04)Date of mailing of the international search report  
25 May, 2004 (25.05.04)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

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